

Product datasheet for **MG202613**

Rae1 (BC060072) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rae1 (BC060072) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rae1
Synonyms:	41, MNRP, MNRP41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202613 representing BC060072 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCTGTTTGGATCAACCTCTGGATTTGGGACTGGTGGGACCAGCATGTTTGGGAGCACAACCACAG
ATAACCACAATCCAATGAAGGATATCGAAGTGACATCTTCTCCTGATGACAGCATCGTTGTCTGTCTTT
CAGCCCGCAACTTTACCAGGCAACTTCCTTATTGCAGGATCATGGCGAATGATGTTTCGCTGCTGGGAA
GTGCAGGACAGTGGGCAAACCATTCAAAGGCCAGCAGATGCACACGGGCCAGTGCTTGACGTCTGCT
GGAGTGATGATGGGAGCAAAGTATTCACAGCATCGTGTGACAAGACAGCCAAGATGTGGGACCTGAACAG
CAACCAGGCCATTAGATAGCACAGCATGATGCTCCTGTTAAGACCATACATTGGATCAAAGCCCCAAAC
TACAGCTGTGTGATGACCGGGAGCTGGGATAAGACTCTGAAGTTCTGGGATACGCGGTCCTCAAATCCTA
TGATGGTCTTGCAACTCCCTGAACGCTGTTACTGTGCAGATGTGATATACCCGATGGCTGTGTTAGCCAC
TGCAGAGAGGGGCTGATTGTCTATCAGCTGGAGAACCAGCCCTCTGAGTTCAGGAGAATCGAGTCTCCC
CTGAAGCACCAGGTGGGTGCCACAGCTCTGAGAAGCGCACGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG202613 representing BC060072
 Red=Cloning site Green=Tags(s)

MSLFGSTSGFGTGGTSMFGSTTTDNHNPMDIEVTSSPDDSIGCLSFSPPTLPGNFLIAGSWANDVRCWE
 VQDSGQTIPKAQQMHTGPVLDVCWSDDGSKVFTASCDKTAKMWDLNSNQAIQIAQHDAPVKTIHWIKAPN
 YSCVMTGSWDKTLKFDWTRSSNPMMLVQLPERCYCADVIYPMAVLATAERGLIVYQLENQPSSEFRRIESP
 LKHQVGATALRSAR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC060072

ORF Size: 674 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC060072](#), [AAH60072](#)

RefSeq Size: 4222 bp

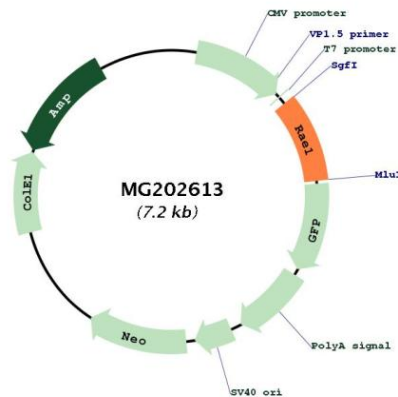
RefSeq ORF: 674 bp

Locus ID: 66679

Cytogenetics: 2 95.66 cM

Gene Summary: Plays a role in mitotic bipolar spindle formation. Binds mRNA. May function in nucleocytoplasmic transport and in directly or indirectly attaching cytoplasmic mRNPs to the cytoskeleton.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202613